

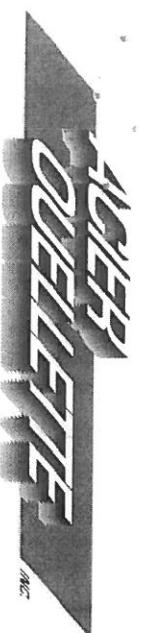


PO No	Supplier	Line Item No	Ref No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due
PO038983	ACI001-VC	11	1	Net 30	M303B1.000X03.000	303 Bar 1" X 3' : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft				24	2/28/2018	24		S047255	Stock	3/2/2018	\$ 74.41 / ft	0	
		12			M303B1.000X1.000	M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft						26		S047256	Stock	3/2/2018	\$ 20.94 / ft	0	
		23			MT-4140-B-1.000X6.250	4140 Steel Bar 1.000 X 6.250 : AISI 4140N STEEL BAR PER MIL-S-5626, AMS 6382, AMS 6349, AMS 6529 receive ft						4		4		S047257	Stock	3/2/2018	\$ 61.25 / ft
										Total:	52		54						

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# DELIVERY - CLIENT

Copy CO00073293



## ACIER OUELLETTE INC.

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

### Billed to

DART AEROSPACE LTD

1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

### Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

### Instruction

F-M

### Delivery Route

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### Page

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Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
1 FLAT SS 1 X 3 SS303 NS FSS-13303	246.00	24.00	PL_\$CLB								
2 X 12' R/L HEAT: E274980 AC13480-SM-21/02											
2 SQUARE SS 1 SS303 NS CSS-1303	81.60	24.00	PL_\$CLB								
3 PLATE 4140 HT 1 RANDOM NS P4140-1H-V	84.95	2.08	PL2_\$CLB								
1 X 6 1/4" X 48" HEAT: 301054 act3456-FU-21/02											

**Total Weight (Lbs) :** 412.55

NIR : R-109516-6

**Conditions :**  
All sold and delivered materials remain the property of "Actier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Actier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Actier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :

CL/Ric

Verified By :

JM

Delivered By:

✓

Time

180302

Total (\$CAD)

Date

Customer N° CLI0001056  
Date 2018/02/08  
Delivery date 2018/03/02

Your order N° 038983

Processed by Josianne Bourdon  
Salesman  
Carrier  
Credit Termé

OUELLETTE VALLEYFIELD

Net 30 Days

Customer's Signature
----------------------



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER PO038983

<b>Supplier:</b>	ACI001-VC Acer Ouellette Inc. 935 Boul. Du Havre Valleyfield QC J6S 5L1 Canada Phone: 800 667 4248 Fax: 450 377 5696	<b>PO No:</b>	PO038983
		<b>PO Date:</b>	2/7/18
		<b>Due Date:</b>	2/12/18
		<b>Purchase Order Revision:</b>	
		<b>Revision Date:</b>	
		<b>Ship-To Contact:</b>	Lacelle, Linda Phone: llacelle@dartaero.com
		<b>Via:</b>	Ground
		<b>Pymt Terms:</b>	Net 30
		<b>Freight Terms:</b>	
		<b>Special Comments:</b>	quotation sou0084311

*REVISES*

Items											
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price	
11	M303B1.000X03.000		303 Bar 1" X 3' : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed	2/28/18	24 ft	0 ft	24 ft	\$74.41/ft	\$1,785.84	
								24			
12	M303B1.000X1.000		M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed	2/28/18	24 ft	0 ft	24 ft	\$20.94/ft	\$502.56	
								26			
23	MT-4140-B-1.000X6.250		4140 Steel Bar 1.000 X 6.250 : AISI 4140N STEEL BAR PER MIL-S-5626, AMS 6382, AMS 6349, AMS 6529 receive ft	Firmed	2/28/18	4 ft	0 ft	4 ft	\$61.25/ft	\$245.00	
								4			

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Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
25	M304S16GA		304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S- 5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed	2/26/18	96 sf	0 sf	96 sf	\$6.50863/sf	\$624.83
<i>96 SF DAS FEB 23 2018</i>										
<b>Line Item Note:</b> replacement mat'l need credit for line #1 mat'l was not to spec's										
<b>Grand Total: \$3,158.23</b>										
Order Notes										
Procurement Quality Clauses A005 right of entry A012 chemical and physical test report A016 personnel qualification A017 raw material identification (as applicable) A026 certification of material conformance A041 quality management system A042 dart notification by supplier A043 retention of quality documents  A048 counterfeit parts avoidance, detection, mitigation and disposition program  A049 supplier awareness										
<i>CZ</i> Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit <a href="http://www.dart aerospace.com">www.dart aerospace.com</a> for further explanation.										

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Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER PO038983

**Supplier:** ACI001-VC  
Acier Ouellette Inc.  
935 Boul. Du Havre  
Valleyfield  
QC  
J6S 5L1 Canada  
Phone: 800 667 4248  
Fax: 450 377 5696

**PO No:** PO038983  
**PO Date:** 2/7/18  
**Due Date:** 2/12/18  
**Purchase Order Revision:**  
**Revision Date:**  
**Ship-To Contact:** Lacelle, LindaPhone:  
llacelle@dartaero.com **FEB 09 2018**  
**Via:** Ground  
**Pymt Terms:** Net 30  
**Freight Terms:**  
**Special Comments:** quotation sou0084311 *REVISÉ*

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

## Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M304S16GA		304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed	2/12/18	96 sf	0 sf	96 sf	\$6.508625/sf	\$624.83
2	M304S18GA		304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	2/12/18	256 sf	0 sf	256 sf	\$5.355/sf	\$1,370.88
3	M304S20GA		304/316 .040 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed	2/12/18	96 sf	0 sf	96 sf	\$3.90854/sf	\$375.22
5	M6061T6S.040		6061-T6 .040 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	2/12/18	96 sf	0 sf	96 sf	\$3.6648958/sf	\$351.83

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## PURCHASE ORDER

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	M6061T6S.063		6061-T6 .063 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	2/12/18	96 sf	0 sf	96 sf	\$5.6397916/sf	\$541.42
7	M6061T6S0.250X6.250		6061-T651 Sheet 0.250" Thick Plate x 6.250" Wide	Firmed	2/12/18	6 ft	0 ft	6 ft	\$16.508333/ft	\$99.05
8	M6061T6B1.000X04.000		6061-T6 Bar 1.00 X 4.00 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	2/12/18	12 ft	0 ft	12 ft	\$13.245833/ft	\$158.95
9	M6061T6B1.000X8.000		6061T6 Bar 1.000 X 8.000 Firmed 2/12/18 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft			12 ft	0 ft	12 ft	\$24.994166/ft	\$299.93
10	M6061T6B1.000X06.000		6061T6 Bar 1.00 X 6.00 Firmed 2/12/18 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft			36 ft	0 ft	36 ft	\$19.451666/ft	\$700.26
11	M303B1.000X03.000		303 Bar 1" X 3' : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed	2/16/18	24 ft	0 ft	24 ft	\$74.41/ft	\$1,785.84
12	M303B1.000X1.000		M303B1.000 X 1.000 Firmed 2/16/18 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft			24 ft	0 ft	24 ft	\$20.94/ft	\$502.56

## PURCHASE ORDER

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
13	M304B1.000X2.500		304 Bar 1.000 X 2.500" : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	2/12/18	12 ft	0 ft	12 ft	\$30.255833/ft	\$363.07
14	M304B2.500X02.500		304 Bar 2.500 X 2.500" : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	2/12/18	12 ft	0 ft	12 ft	\$80.75/ft	\$969.00
15	M304B0.625X4.000		304 Bar 0.625 X 4.000" : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	2/12/18	4 ft	0 ft	4 ft	\$48.105/ft	\$192.42
16	MT-4140QT-R1.375		MT-4140 QT-R1.375 : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT	Firmed	2/14/18	20 ft	0 ft	20 ft	\$9.3885/ft	\$187.77
17	M303R0.250		303 Round Bar 0.250"	Firmed	2/12/18	12 ft	12 ft	0 ft	\$0.570833/ft	FEB 14 2018
18	M6061T6TS1.250W.120		6061T6 Sq Tube 1.250 X 1.250 X.120W : MATERIAL: 6061-T6 OR 6061- T651/T6510/T6511/T62 SQUARE TUBING AS PER AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR PER AMS-QQ-A-200/8 OR AMS 4160 receive ft	Firmed	2/12/18	20 ft	0 ft	20 ft	\$1.4615/ft	\$29.23
19	M2024T3S.040		2024-T3 .040 Sheet : MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209	Firmed	2/12/18	48 sf	0 sf	48 sf	\$5.601875/sf	\$268.89
20	M1018R1.00		1018-1025 Round Bar 1.00 : MATERIAL: AISI 1018- 1025 ROUND BAR M1010S20GA AS PER MIL-S-7097 OR ASTM A108 receive ft	Firmed	2/12/18	20 ft	0 ft	20 ft	\$2.6685/ft	\$53.37

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## PURCHASE ORDER

Items											
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price	
21	MT-4140QT-R1.000		AISI 4140 Quenched &Tempered Steel Round Bar 1.000" Dia.	Firmed	2/12/18	8 ft	0 ft	8 ft	\$4.78875/ft	\$38.31	
22	MT-4140QT-R0.625		AISI 4140 Quenched &Tempered Steel Round Bar 0.625" Dia.	Firmed	2/14/18	100 ft	0 ft	100 ft	\$2.8782/ft	\$287.82	
23	MT-4140-B-1.000X6.250		4140 Steel Bar 1.000 X 6.250 : AISI 4140N STEEL BAR PER MIL-S-5626, AMS 6382, AMS 6349, AMS 6529 receive ft	Firmed	2/22/18	4 ft	0 ft	4 ft	\$61.25/ft	\$245.00	
24	MT-A513-T-0.750W0.085		A513 Seamless Alloy Steel Round Tubing 0.75"dia. x 0.085" Wall	Firmed	2/14/18	20 ft	0 ft	20 ft	\$3.60/ft	\$72.00	

Line Item Note 0.083"wall acceptable

Grand Total: \$9,524.50

## Order Notes

Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents  
A048 counterfeit parts avoidance, detection, mitigation and disposition program  
A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

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FEB 14 2018

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**ACIER OUELLETTE INC.**

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Quotation**

SOU0085398

**Billed to**

DART AEROSPACE LTD  
1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

**Customer N°** CLI0001056**Date** 2018/02/09**Revision N°** 0**Prices valid until** 2018/02/16**Your Order N°** 038983**Processed by** Josianne Bourdon**Salesman** JOSIANNE**Carrier** OUELLE SDV**Credit Terms** Net 30 Days**Page** 1

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
ROUND 4140 HEAT TREAT 5/8 RANDOM R4140-58H-V <b>4977</b> <i>5 X 20' R/L 2-3 DAYS</i>	104.30	100.00	PI_\$CLB	100.00	PI		5.00	57.564	287.82
SURCHARGE ENERGETIQUE <b>FRAIS ENERGETIQUE</b>			\$						3.95

**Total Weight (Lbs)** 104.30**Important**

This offer is based on availability and current pricing conditions that may be revised upon reception of the order.

This offer is subject and conditional to credit approval.

Approved and Accepted by : \_\_\_\_\_

Date :

**Sub-total** 291.77

TVH-13 · 37.93

**Total (\$CAD)**

329.70

CO. 73293  
PART

PO. 13480

**MONTANSTAHL**  
special profiles in steel 

Tel.: +41 (91) 6416-675  
Fax.: +41 (91) 6416-804  
Email.: qualita@montanstahl.com

Certified by TÜV SÜD Management Service GmbH according to:  
ISO 9001:2008, with certificate N° 12 100 6402 TMS AD  
2000-Merkblatt W0  
PED (2014/68/EU), with certificate 41/2003/MUC Annex I,  
Section 4.3  
CPR 305/2011, Certificate N° 0036-CPR-M-63-2013  
EN 1090-1:2009, Certificado N° 0036-CPR-EN1090-1-00437  
TÜV SÜD. 2016.001

**Inspection certificate**  
**EN 10204 3.1**

MONTANSTAHL AG, Via Gerretto 4, CH-6855 Stabio

Company  
STAINLESS STRUCTURALS LLC  
575 Conroe Park West Drive  
USA 77303 CONROE

Certificate no.  
72524-00

Product Flats - ACD 1x3 inch, 11-13'	Execution ACD											
Grade AISI 303 - UNS-S-30300, ASTM A582/A582M-AMS5640 U type 1	Melting EAF/AOD											
Size standard AMS 2241S	Product standard	Order confirmation no.	Invoice no.									
Your order	Your order position	Your article no.	Net weight 1986 lbs									
Bundles 1295100.1295111												
Heat E274980	C 0.055	Si 0.59	Mn 1.84	P 0.028	S 0.254	Ni 8.60	Cr 17.78	Mo 0.34	Ti 0.020	Al 0.60	N 0.096	Cu Pb V Co
Heat E274980	Rm 103 ksi	Tensile strength Rp 0.2% 61 ksi	Yield strength Rp 1%	Elongation A5 45 %	Area reduction Z 55 %	Hardness HB 175	Impact test KV					

- We hereby confirm that the material certified in this document is conform to enclosed data sheet  
- Material is produced in compliance with ROHS (2002/95/EC)  
- Material free from Mercury, Cadmium and radioactive contamination  
- Micro and Macro structure: OK.  
- No weldings or weld repair  
- The delivery is in accordance with the order

- Country of melt: Germany  
- Country of manufacturing origin: Switzerland

\* Supplier's analysis

Manufacturer's symbol



Date 26.05.2017

Quality department

Authorized inspector:

Andrea Bevilacqua

<b>BOLLINGHAUS<sup>®</sup></b> STEEL Bollin aus Steel, SA DIN EN 10001-2008 TÜV CERT 01 10-J-030458		Abnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade							No.: / Nr.: /Nr.:					
		EN 10204:2004 / 3.1							0000132769					
		Unsere Innere Verweisung /Our Int. Ref N/ ref int							Datum / Date / Data					
		5600036695 000040							30.08.2017					
Normen / Standards / Normas														
TYPE 303/UNS S30300 acc. to ASTM A582/A582M-12e1, ASTM A314-16, ASTM A320/A320M-15a, ASTM F895-12b, ASTM A370-17, ASME SA320/SA320M, ASME SA370, TYPE 1 acc. to AMS 5640V, ASTM A484/A484M-16, Sulphur 0.28-0.30 %. ASME specifications versions 2015 Section II Part A.														
Kunde / Customer / Cliente					Endgültiger Kunde / Final Customer / Cliente Final									
Bestell Nr./Order Nr./Enc.Nr.					Bestell Nr./Order Nr./Enc.Nr.									
Produktgruppe / Product Group / Grupo Produto					Gewicht / Weight / Peso			Bunde / Bundle / Atados						
AISI 303 CD SQ 1"					5.349 lb			05						
Werkstoff-Nr. Material-no. Qualidade			Werkstoff-Normbezeichnung / Material standard grade / Norma do material											
1.4305			X 8 CrNiS 18-9											
Beschreibung / Description / Descrição														
Stainless steel cold drawn square bars US DFAR 252.225-7009: MELT SOURCE: France / MFG: Portugal.														
Schmelznr. Cast nr. / Fusão nr.		Chemische Analyse in % / Chemical composition in % / Análise química em %												
67705071	C	0.054	Si	0.401	Mn	1.684	P	0.036	S	0.289	Cr	17.144	Ni	8.286
	EAF+AOD	Mo	0.349	Co	0.114	Cu	0.516	N	0.030	Ti	0.001	-	-	-
Proben Nr. Test no. Amostra no.	ASTM E399				ASTM A370									
	Kerbsschlagarbeit Impact Test Resistência		Streckgrenze Yield point Tensão limite		Dehngrenze 1% point Límite de estensão		Zugfestigkeit Tensile strength Tensão de rotação		Dehnung Elongation Alongamento		Einschränkung Reduction of area Coef. Esrição			
	(Charpy V)		Rp 0,2 %		Rp 1,0 %		Rm		A5		4D		Z	
	[J]		[Ksi]		[Ksi]		[Ksi]		[1/4]		[%]		[%]	
3083919.02.01		74.0		81.1		107.0		41.5		44.3		60.4		
Visuelle Kontrolle Visual inspection Inspeção visual		<input checked="" type="checkbox"/> Ok		ASTM E10		Korrosionsbeständigkeit IC Test Corroded Interhalite		Wärmebehandlung Heat treatment Tratamento térmico		Annealed Quenched 1800 °F (1050 °C)  (water quenched)				
ASTM A484 Maßkontrolle Dimensional inspection Inspeção dimensional		<input checked="" type="checkbox"/> Ok		ASTM E112		Werkstoffverantwortlicher Quality Control Representative Inspector da Qualidade								
Verwendungsprüfung Test of Identity Teste de identificação		<input checked="" type="checkbox"/> OK		Macrographische Untersuchung Macrographic test										
				Material free from segregation defects.		<input checked="" type="checkbox"/> OK								
Bemerkungen / Remarks / Observações														
Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination.														
Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according the mentioned standards. Confirmamos que este material respeita as especificações de acordo com as normas referidas.														
Bollinghaus Steel, SA														
I29.0 PP														

*Dan*

<b>Chemical certification</b>
<b>Certification chimique</b>

CO 73293

AC 13458

Order Num / No. Commande <b>AC-13456</b>	Vendor / Fournisseur <b>46</b>	Country of origin / Pay d'origine <b>SLOVENIA</b>	Date <b>08/31/17</b>	Heat / coulée <b>301054</b>	Material ID # / No. matériel
Grade / Nuance <b>4140 PLT</b>	Conditions <b>HEAT TREATED</b>				
Shape / Forme <b>FLAT</b>	Size / Dimension <b>1.000</b>	Specifications <b>ASTM A829/A829M</b>			

**Chemical composition / Analyse chimique**

Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)
Mini / maxi 0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190
Actuel % <b>0.400</b>	<b>0.300</b>	<b>0.780</b>	<b>0.009</b>
Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)
Mini / maxi 0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500
Actuel % <b>0.000</b>	<b>0.970</b>	<b>0.210</b>	<b>0.170</b>
Cooper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)
Mini / maxi 0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % <b>0.249</b>	<b>0.036</b>	<b>0.050</b>	<b>0.000</b>
Cobalt (Co)	Titanium (Ti)		
Mini / maxi 0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % <b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

**Mechanical properties / Propriétés Mécaniques**

Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
<b>0.000</b>	<b>PSI</b>	<b>0.000</b>	<b>PSI</b>	<b>0.00</b>	<b>313</b>

**Note:**

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut ont été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.

*JM*  
Prepared by: / Préparé par:

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-B-1.000X6.250  
 DATE: MAR 02 2018

PO / BATCH NO.: 038983/5047257

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 4  
 QUANTITY INSPECTED: 4  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000  
 THICKNESS RECEIVED: 1.000  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>Astm A829</i>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>Heat # 301054</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____
DATE: <u>9-89 MAR 02 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE  
MINIMUM ROCKWELL C = 28 RC  
MAXIMUM ROCKWELL C = 32 RC

SPECIFICATION

PART NUMBER:

MT-4140-S-[T.TTT] x [W.WWW]  
 WHERE "T.TTT" = THICKNESS IN INCHES  
 WHERE "W.WWW" = WIDTH IN INCHES

EX. 0.063" THICK SHEET = MT-4140-S-0.063  
EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0 5000X3 500

	1	2	3	4	5	6	7	8
	REV.	DESCRIPTION	ECN #	DATE	BY			
	A	NEW ISSUE	18-544	18.2.13	VM	ML		

**SPECIFICATION CONTROL DRAWING**

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE  
 MINIMUM ROCKWELL C = 28 Rc  
 MAXIMUM ROCKWELL C = 32 Rc

*[Signature]*

SPECIFICATION: *ASTM A829, AMS 6395*

PART NUMBER: *MT-4140-S-[T.TTT] x [W.WWW]*  
 WHERE "T.TTT" = THICKNESS IN INCHES  
 WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063  
 EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500

<b>DART</b>	
AEROSPACE	
Markham, Ontario, Canada	
TITLE	
AISI 4140 / 4142 STEEL SHEET OR PLATE	
PART NO.	
MT-4140-S	
REV	
A	
TOOL NO.	
-	
INITIALS AND DATE	
DESIGNED BY: VM 2/1/2013	
DRAWN BY: VM 02/1/2013	
CHECKED BY: VM 02/1/2013	
MFG REVIEW BY: DO 02/1/2013	
APPROVED BY: ML 02/14/2013	
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FROM DART AEROSPACE LTD	
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## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303B 1.000X1.000  
 DATE: MAR 02 2018

PO / BATCH NO.: 038983/SC417256

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 26  
 QUANTITY INSPECTED: 26  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000  
 THICKNESS RECEIVED: 1.000  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	<u>Y</u> N	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u> N	
CORRECT MATERIAL PER M-DRAWING	<u>Y</u> N	Astm A582
CORRECT THICKNESS	<u>Y</u> N	
PHOTO REQUIRED	<u>Y</u> <u>N</u>	
CORRECT REF # TO LINK CERT	<u>Y</u> N	Heat # 67705071
CORRECT MATERIAL IDENTIFICATION	<u>Y</u> N	
CORRECT M# ON THE MATERIAL	<u>Y</u> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> <small>9-89</small>	SIGNED OFF BY: _____
DATE: <u>MAR 02 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS BAR  
(NOTE: AISI 304/Q16 NOT ACCEPTABLE)

△ SPECIFICATION:  
ASTM A582  
M303BT.TTT X(WW,WWWW)  
THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES  
AND "WW,WWWW" = WIDTH IN INCHES  
E.G. 0.5" x 3.0" BAR = M303B0.500X03.000

△ SPECIFICATION:  
PART NUMBER:

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RELEASED  
R 2010-07-02

B	REFORMAT DWG. ADD SPECS (ZN D8-1). REF PAR 08-202A	CP	10 01 05
A	NEW ISSUE	DS	02 05 29
REV.	DESCRIPTION	BY	DATE
DESIGN	D	DART AEROSPACE LTD	
DRAWN	D	HAWKESBURY, ONTARIO, CANADA	
CHECKED	D	REV. B	
MFG. APPR.	D	M303B	SHEET 1 OF 1
APPROVED	D	TITLE	SCALE
DE APPR.	D	303 BAR	NTS
DATE	10/01/05	COPYRIGHT © 2002 BY DART AEROSPACE LTD PRODUCTION IS FOR INTERNAL USE ONLY. NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMERCIALIZED TO ANY OTHER PERSON WITHOUT WRITTEN EXPRESSION FROM DART AEROSPACE LTD.	

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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 1303B1.000X03.000  
 DATE: MAR 02 2018

PO / BATCH NO.: 038983/SC47255

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 24  
 QUANTITY INSPECTED: 24  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000  
 THICKNESS RECEIVED: 1.000  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Astm A582
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Heat # E274980
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)		
INSPECTED BY:	DAS <u>11</u>	SIGNED OFF BY:	
DATE:	9-89 MAR 02 2018	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS BAR  
(NOTE: AISI-304/316 NOT ACCEPTABLE)

**B** SPECIFICATION: ASTM A582

PART NUMBER: M303BT.TT XWWWWWW

WHERE "TT" = THICKNESS IN INCHES  
AND "WWWWWW" = WIDTH IN INCHES

EG. 0.5" x 3.0" BAR = M303B0.500X03.000

**RELEASED**  
R 2010-02-02  
*[Signature]*

<b>B</b>	REFORMATTED, ADD SPECS (ZN D8-1), REF PAR 08-020A	CP DS	10/01/05 02/05/29
<b>A</b>	NEW ISSUE	BY	DATE
REV	DESCRIPTION	<b>DART AEROSPACE LTD</b>	
DESIGN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
DRAWN		DRAWING NO.	REV. B
CHECKED		M303B	SHEET 1 OF 1
MFG. APPR.		SCALE	NTS
APPROVED		TITLE	<i>[Signature]</i>
DE APPR.		303 BAR	<i>[Signature]</i>
DATE	10/01/05	COPYRIGHT © 2002 BY DART AEROSPACE LTD	
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